



SR-222MKIV

OPERATING INSTRUCTIONS / Read this manual before use.

We are grateful for your choice of this Sansui high fidelity product. Before you operate it, we suggest that you read this booklet once through carefully, familiarizing yourself with the important precautions, operational procedures and every one of the product's many features. It will help to ensure that you will avoid possible damage and that the product's superb performance will be yours to enjoy for many years to come.

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WARNING: To prevent fire or shock hazard, do not expose this appliance to rain or moisture.

- Design and specifications subject to changes without notice for improvements.
 - In order to simplify the explanation illustrations may sometimes differ from the originals.
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Precautions

Turntable dismantling

Do not extract the unit's platter shaft or dismantle the motor assembly. NEVER try to touch any part inside the turntable unit. Such action may result in deterioration in performance or in mechanical breakdown.

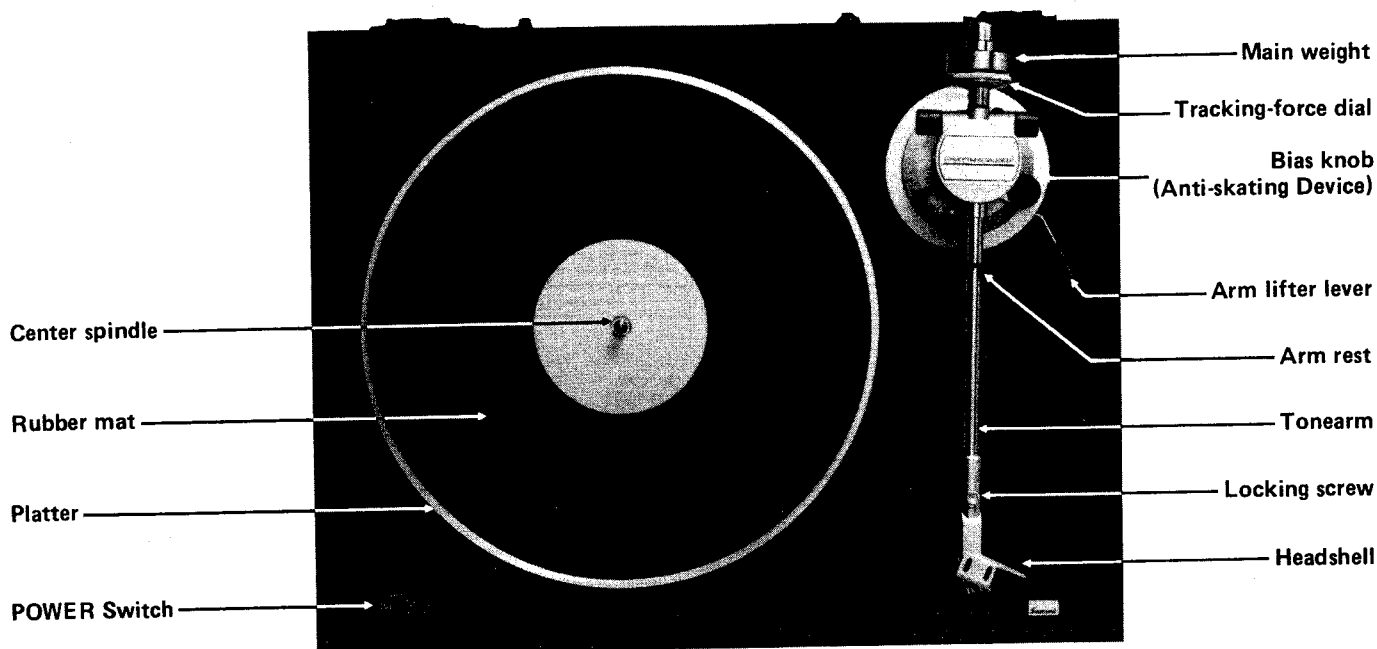
Caution prior to operation

- * Avoid exposing the turntable (as well as your amplifier and other audio equipment) to rain or direct sunlight.
- * Avoid exposing the turntable to dust, excessively warm or cold temperatures.
- * Place your turntable on a solid, vibration-free surface.
- * Avoid placing your turntable on an inclined surface, otherwise incorrect stylus tracking will deteriorate overall performance. See that the surface of a record, when placed upon the platter, is strictly horizontal.
- * When cleaning the turntable base and dust cover, be sure to use a dry, soft cloth. Never use thinner or alcohol. Also take care not to accidentally apply insecticides or other volatile liquids or sprays.

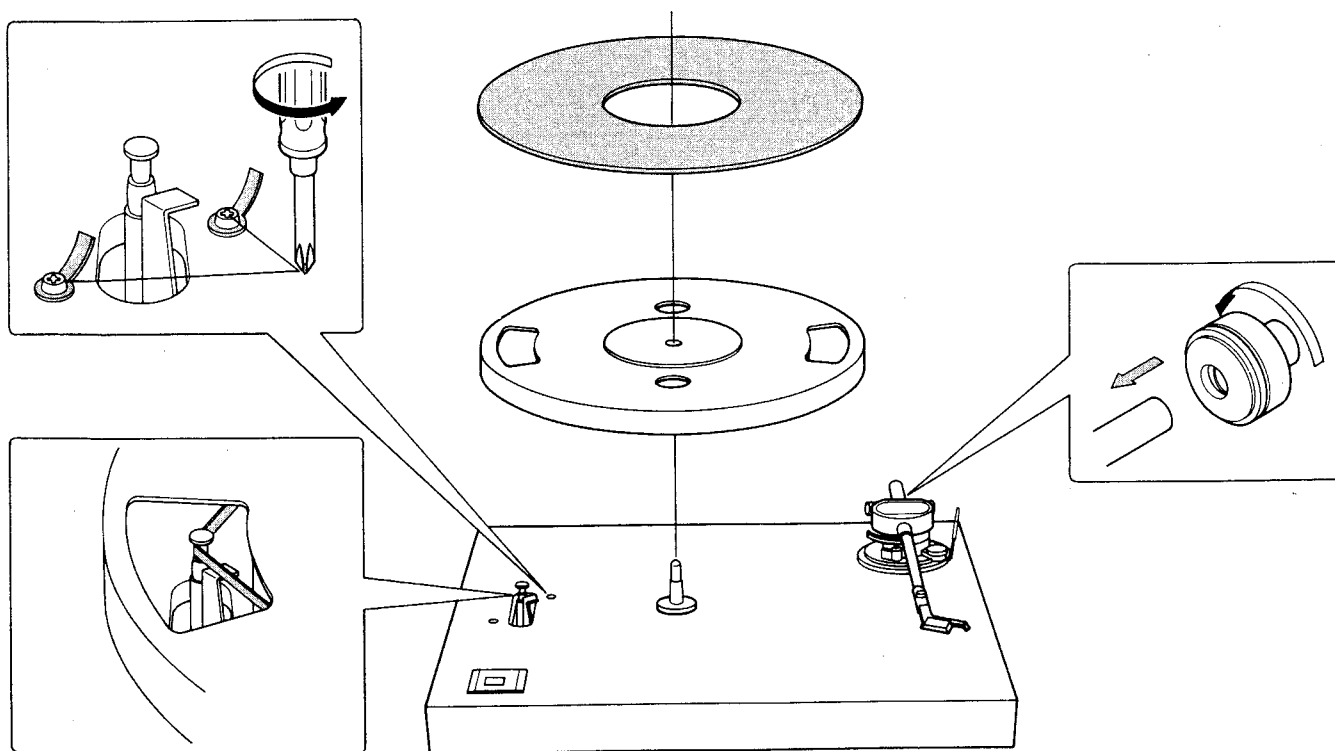
Power plug

- * Do not touch the power plug with wet hands, for you may be subjected to electrical shock.
- * When unplugging the power plug, do not pull the cable; grasp the plug and pull it out of the wall outlet.

Controls and parts callouts



Setting-up and connections



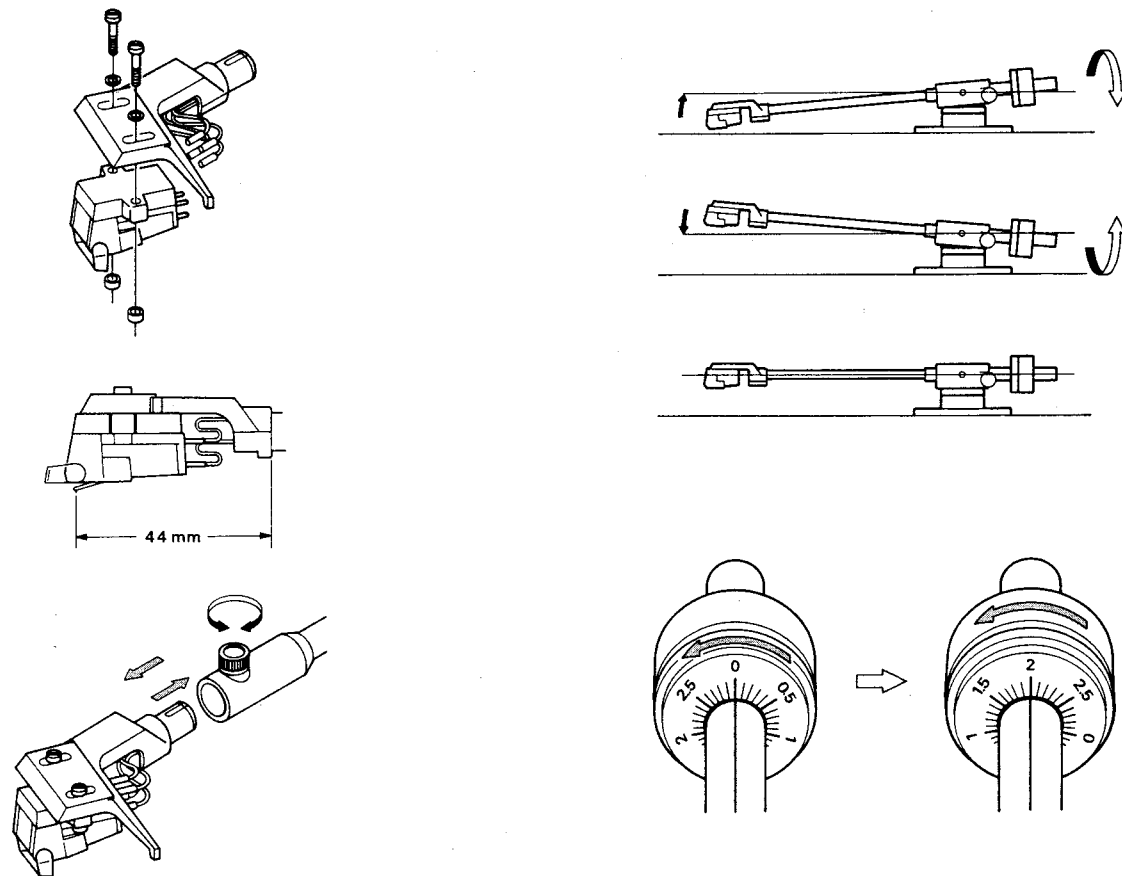
This turntable is composed of high-precision parts and to prevent damage during transportation, they are packed separately. Before using your turntable, assemble and connect as indicated by the following procedure.

Mounting main weight

Fit the main weight on the weight shaft of the tonearm and pull it toward you while turning it gently to the right.

Setting up turntable

1. With a screwdriver, remove the two shipping screws together with the cardboards.
2. Mount the platter on the center spindle, pressing the drive belt to the outer rim of the platter with your thumb.
3. Place the drive belt over the motor capstan. When it is placed over the upper part of the motor capstan, the record speed is set at 33 rpm; when placed over the lower part, it is set at 45 rpm.
4. Place the rubber mat on the platter.



Mounting cartridge

Mount a suitable cartridge on the headshell supplied with tightened screws and nuts. Determine the cartridge mounting position as shown in the illustration. Then connect leads on the headshell to terminals of the cartridge. Be sure to make correct connections referring to instructions for the cartridge; leads are color-coded in the following manner:

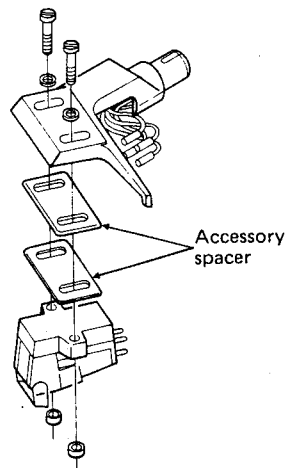
- Blue left-channel “-” ground
- White left-channel “+” hot
- Green right-channel “-” ground
- Red right-channel “+” hot

* The loosely tightened screws should be firmly and equally secured after you have adjusted overhang.

Horizontal adjustment of tonearm

If the cartridge section is heavier preventing the tonearm from being horizontal with the surface of the record when the cartridge is mounted and the tonearm is lowered onto the record, select the appropriate accessory spacer, insert it between the cartridge and headshell and adjust so that the tonearm is horizontal.

After having inserted the spacer, proceed with the tonearm horizontal balance and tracking force adjustments.



Tonearm horizontal balance

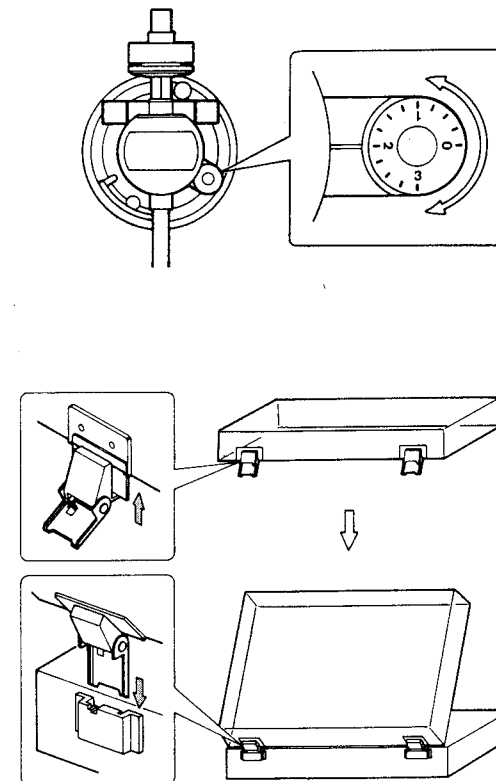
Before undertaking tracking-force adjustment, you must balance the tonearm in a perfectly horizontal plane to the motorboard to obtain a “0-gram” tracking force. Procedures are as described below:

1. Detach the arm rest hook.
2. Turn the bias knob, so that the “0” mark aligns with the index dot on the ring.
3. Hold the headshell hook and move the tonearm to the halfway position between the platter and arm rest.
4. Turn the main weight with your other hand until the tonearm balances itself, remaining stationary and horizontal to the motorboard; if the headshell rises, turn the main weight to the right (seen from behind). If it lowers, turn it to the left.
- Be very careful not to subject the stylus to undue shock during the tonearm horizontal balancing.
5. Once the tonearm's horizontal balance has been achieved, return the tonearm to the arm rest.

Tracking-force adjustment

When the tonearm horizontal balance is achieved, a “0-gram” tracking force is applied at the tip of the stylus. To apply the required positive force, you have to move the main weight toward the tonearm support pivot. For detailed tracking-force application and adjustment, observe the following procedures:

1. After undertaking horizontal balance, turn the tracking-force dial so that its “0” calibration is in line with the index on the weight shaft.
2. Turn the main weight to the right until you obtain the necessary tracking force. Since the tracking-force dial turns as the weight is turned, the applied tracking force is indicated by the numerals on the dial above the index line on the weight shaft.



Anti-skating device adjustment

Skating force is the natural force, caused by rotation of a record or the platter, which pulls the tonearm toward the center spindle. The anti-skating device is the mechanism to balance this force to prevent excess wear and to assure proper disc reproduction.

To achieve anti-skating device adjustment, simply set the bias knob, so that the figure corresponding to the applied tracking force is in line with the index dot.

Mounting dust cover

First, mount the accessory hinges the right way up on the dust cover. Then slide the dust cover into the receptacles provided at the rear of the cabinet.

When the dust cover is to be dismantled, it should be fully opened and pulled directly upwards.

Connections to amplifier

Connect the pin-plug cables of the unit to the PHONO terminals on your amplifier. The red pin plug should be used for the right channel, the white pin plug for the left. The vinyl covered cable without a pin plug is for grounding. Connect it to the GND terminal on your amplifier. Grounding your unit should reduce hum noise. If however the contrary occurs, disconnect the cable.

45 rpm record adaptor

Take care not to lose the supplied 45 rpm (EP) record adaptor when not in use.

Important

The wires in this mains lead are coloured in accordance with the following code:

- Blue: Neutral
- Brown: Live

If the colours of the wires in the mains lead of this equipment should not correspond to the coloured markings identifying the terminals in your plug, proceed as follows:

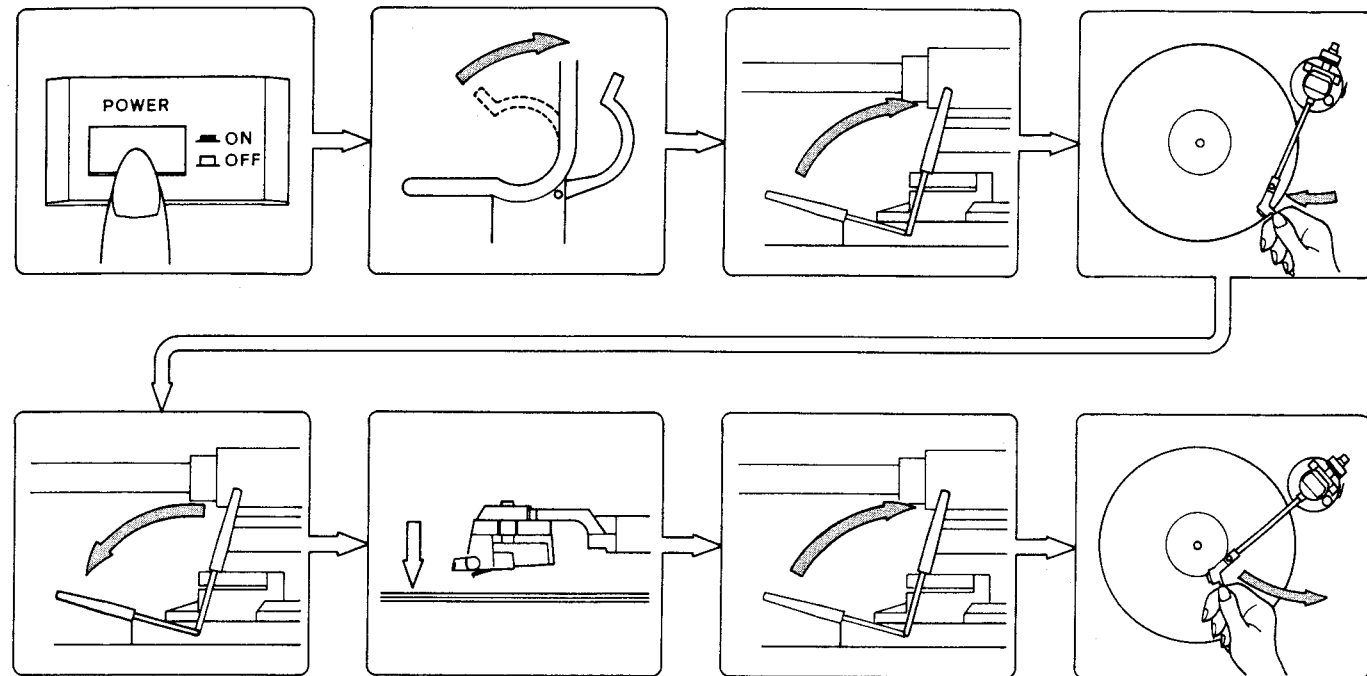
The wire which is coloured **blue** must be connected to the terminal which is marked with the letter ‘N’ or coloured black.

The wire which is coloured **brown** must be connected to the terminal which is marked with the letter ‘L’ or coloured red.

Ensure that your equipment is connected correctly. If you are in any doubt, consult a qualified electrician.

For equipment purchased outside the U.K. with a “EUROPEAN” two-pin mains plug, the plug should be removed and connections made in accordance with the above instructions. Ensure also that the equipment is properly adjusted to 240 volts operation. If you are in any doubt, consult a qualified electrician, or our Service Agent in the U.K.

Operating procedures



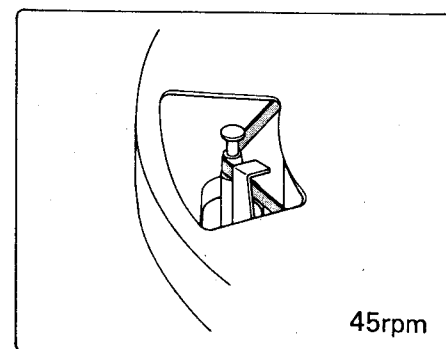
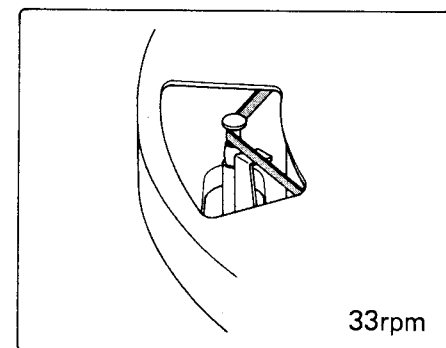
Operation

Place the record on the platter and proceed as follows:

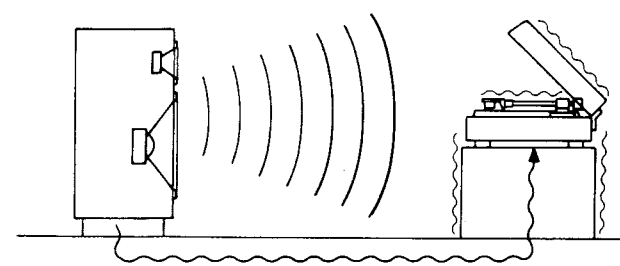
1. Set the POWER switch to ON. The platter now starts to rotate.
 2. Detach the arm rest hook.
 3. Push up the arm lifter lever.
 4. Take hold of the headshell and move the tonearm across the record to the place immediately above the record grooves.
 5. Pull down the arm lifter lever gently. The tonearm now descends onto the record and play begins.
 6. When stopping play at any time or when the tonearm has reached the leadout groove, push up the arm lifter lever gently and return the tonearm to the arm rest.
- * Pay special attention when handling the turntable and your record. Rough handling may result not only in shortened life of the turntable but also in severe record damage.

Changing the record speed

The unit allows the record speed to be changed by placing the drive belt over the upper part or lower part of the motor capstan. Place it over the upper part to listen to 33 rpm records and over the lower part to listen to 45 rpm records.



Some useful hints



To avoid Howling

When an outside vibration is transmitted to a player in operation, abnormal sounds such as buzzing or shrilling (Howling phenomenon) is generated. Speakers should be separated from the player, and placed in such a location as to avoid transmittal of any vibration.

Keep the stylus tip clean

Dust and dirt are the major obstacles to noise-free record reproduction. When grime is allowed to collect in the record groove it will stick to the stylus tip, thus accelerating record and stylus wear and moreover deteriorating the quality of the reproduced sound.

Every time you play a record, first carefully remove all dirt and dust with a record cleaner; use the stylus brush to remove dirt from the stylus tip.

In cleaning the tip, avoid touching it with your finger or subjecting it to shock; such mistreatment may not only shorten its life but may even dislodge the jeweled tip itself.

Replacement of styli

A diamond-tipped stylus will usually provide about 500 to 800 hours of high fidelity record playback.

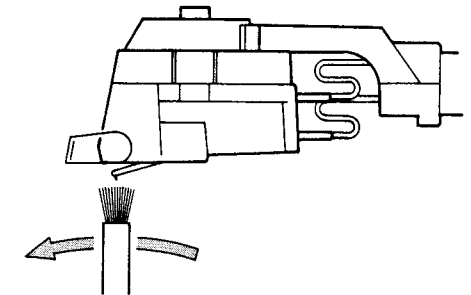
A worn stylus, however, will cause distorted or crackling sound reproduction. You are advised to replace your stylus as frequently as possible.

Lubrication

Your unit requires no lubrication whatsoever. Note that application of oil to the unit's platter shaft or platter bearing may cause turntable breakdown.

Induced hum

Any nearby motor-equipped apparatus such as an electric sewing machine or fan, or a large power transformer may influence your turntable and cause booming hum. If you experience this, move the apparatus in question as far away as possible from the turntable. When placing the turntable next to your amplifier, hum will be reduced if you place it on the side of the amplifier opposite to the side where its transformer is located.



Trouble and repair

When you experience one of phenomena described below, chances are that the trouble may easily be righted. So we suggest they you check connections and operating procedures again.

If no sound comes from speakers:

- * Are the cartridge, turntable amplifier, speakers, etc. correctly connected?
- * Are all the controls on the amplifier, input selector switch, tape monitor switch, speaker selection switch, etc. turned to the correct position?

If reproduction quality is poor:

- * Is the turntable truly horizontal?
- * Is the turntable placed atop a speaker system? (It should not be. Refer to the section titled "To avoid Howling" in this brochure.)
- * Are the stylus tip and the record free of dirt and dust?
- * Is the correct tracking force applied?

If booming hum is audible:

- * Is the unit's grounding cable correctly connected to the amp's GND terminal?
- * Are there electric appliances in operation near the unit? (There should not be. Refer to "Induced hum" in this brochure.)

Specifications

Type	Two-speed belt-drive
Speeds	33-1/3, 45 rpm
Platter	Aluminum alloy die-cast 308 mm (12-1/8") diameter
Motor	Four-pole synchronous motor
Wow and flutter	0.03 % (WRMS)
Rumble	Better than 68 dB (DIN-B)
Tonearm	
Tonearm length	245 mm (9-11/16")
Overhang	16 mm (5/8")
Applicable cartridge weight	4 to 9.5 g
Dimensions	490 mm (19-5/16") W 175 mm (6-57/64") H 385 mm (15-5/32") D
Weight	7.4 kg (16.3 lbs.) net 9.15 kg (20.13 lbs.) packed
Power voltage	220/240 V (50 Hz)
Power consumption	10 watts



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